

Abstract

For the production of a white LED having a predetermined color temperature, a blue LED (2a-2d) or a UV LED is coated with a conversion layer (5) which
5 absorbs the blue light or UV light and emits light of greater wavelength. In accordance with the invention, the exact wavelength of the LED (2a-2d) is determined and the color conversion agent (5) is applied over this LED (2a-2d) in a quantity dependent upon the determined wavelength. Through this, the tolerance of the color temperature can be significantly reduced. The color
10 conversion agent may be applied by means of dispenser or stamp, and the quantity and/or concentration selected in dependence upon the determined wavelength. Inkjet printing, deposition from the gas phase or selective removal by means of a laser is, however, also possible. The invention also relates to light sources produced in accordance with this method.

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